

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ed Garlepp on 04/09/10.

The application has been amended as follows:

Claim 9 (Currently Amended): An internal member of a plasma processing vessel, comprising:

a base material comprising at least one of stainless steel, Al, Al alloy, W, W alloy, Ti, Ti alloy, Mo, Mo alloy, carbon, oxide or non-oxide based sintered ceramic body, and carbonaceous material, the base material being an object on which a film is to be constructed; and

a film formed on a surface of the base material,
wherein the film has a main layer formed by thermal spraying of ceramic and a barrier coat layer formed of ceramic including an element selected from the group consisting of B, Mg, A1, Si, Ca, Cr, Y, Zr, Ta, Ce and Nd,

wherein the barrier coat layer is an intermediate layer formed between the main layer and the base material, and

wherein the barrier coat layer is a thermally sprayed film and at least parts of pores inside the barrier coat layer are sealed by a resin provided at a lower portion of

the barrier coat layer including a surface contacted with the base material and not including a surface contacted with the main layer;

wherein the main layer and the barrier coat layers are separate layers.

Allowable Subject Matter

Claims 9, 10, 12, 14, 15, 31, 32, 38 and 39 allowed.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance:

Claim 1: Closest prior art Shih et al (US 2002/0066532) does not teach claim limitation " wherein the barrier coat layer is an intermediate layer formed between the main layer and the base material, and wherein the barrier coat layer is a thermally sprayed film and at least parts of pores inside the barrier coat layer are sealed by a resin provided at a lower portion of the barrier coat layer including a surface contacted with the base material and not including a surface contacted with the main layer; wherein the main layer and the barrier coat layers are separate layers" in the context of remaining limitations of the claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RAKESH DHINGRA whose telephone number is (571)272-5959. The examiner can normally be reached on 8:30 - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Parviz Hassanzadeh can be reached on 571-272-1435. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Parviz Hassanzadeh/
Supervisory Patent Examiner, Art Unit 1716

/R. D./
Examiner, Art Unit 1716